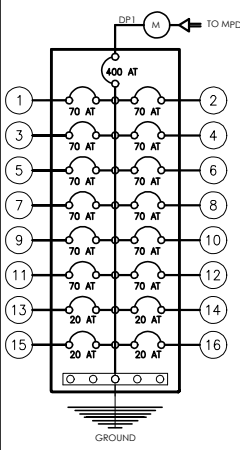


NOTE : WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. ANY DISCREPANCY ON ALL DRAWINGS & SPECIFICATIONS SHALL BE SUBJECT FOR VERIFICATION. MECHANICAL ETC.) SHALL BE SUBJECT FOR VERIFICATION. VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

NOTE : IF IN DOUBT, ASK



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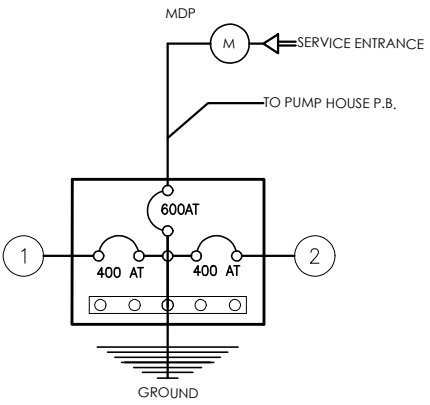


SCHEDULE OF LOADS(DP1)

NO. OF CIRCUIT	DESCRIPTION	VOLTS	VA	AMPERE PER CIRCUIT				PROTECTION PER CIRCUIT	POLE	S I Z E S	
				AB	BC	CA	ABC			WIRE	CONDUIT
1	PANEL BOARD 1	230	11,180	48.61				70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
2	PANEL BOARD 2	230	11,180	48.61				70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
3	PANEL BOARD 3	230	11,180		48.61			70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
4	PANEL BOARD 4	230	11,180		48.61			70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
5	PANEL BOARD 5	230	11,180			48.61		70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
6	PANEL BOARD 6	230	11,180			48.61		70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
7	PANEL BOARD 7	230	11,180	48.61				70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
8	PANEL BOARD 8	230	11,180	48.61				70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
9	PANEL BOARD 9	230	11,180		48.61			70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
10	PANEL BOARD 10	230	11,180		48.61			70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
11	PANEL BOARD 11	230	11,180			48.61		70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
12	PANEL BOARD 25	230	18140			89.22		70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
13	FACP	230	1,500	6.52				20 AT	3P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
14	PANEL BOARD 27	230	900	3.92					2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
15	SPARE								2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
16	SPARE								2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
TOTAL			143,420	204.88	194.44	228.18					

COMPUTATION

Imab= 1.7321 (228.18)+25%(17)
= 399.48 A
USE :400 AT, 3P,230V MCCB
2 SETS OF 3-80.0 mm² THHN Cu.&
1-30 mm² THHN Cu.(6)
ø 80mm ø connduit



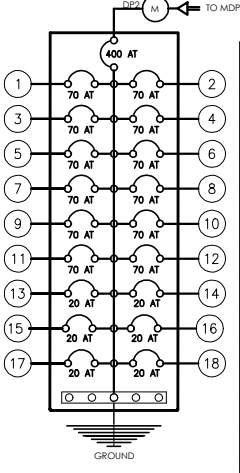
SCHEDULE OF LOADS(MDP)

NO. OF CIRCUIT	DESCRIPTION	VOLTS	VA	AMPERE PER CIRCUIT				PROTECTION PER CIRCUIT	POLE	S I Z E S	
				AB	BC	CA	ABC			WIRE	CONDUIT
1	DP1	230	143,420	204.88	194.44	228.18		400 AT	3P	2 SETS OF 3-80.0 mm ² THHN Cu.& 1-30 mm ² THHN Cu.(6)	80 mmø
2	DP2	230	158,810	243.05	253.01	194.44		400 AT	3P	2 SETS OF 3-80.0 mm ² THHN Cu.& 1-30 mm ² THHN Cu.(6)	80 mmø
TOTAL				447.93	447.45	422.62					

COMPUTATION

Imab= [1.7321 (447.93)] x 0.7DF + 25%(17)
= 547.35 A
USE :600 AT, 3P,230V MCCB
2 SETS OF 3-200.0 mm² THHN Cu.&
1-50 mm² THHN Cu.(6)
ø 100mm ø connduit

O RISER DIAGRAM
E-DC-11 E-DC-11 SCALE : NTS



SCHEDULE OF LOADS(DP2)

NO. OF CIRCUIT	DESCRIPTION	VOLTS	VA	AMPERE PER CIRCUIT				PROTECTION PER CIRCUIT	POLE	S I Z E S	
				AB	BC	CA	ABC			WIRE	CONDUIT
1	PANEL BOARD 12	230	11,180	48.61				70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
2	PANEL BOARD 13	230	11,180	48.61				70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
3	PANEL BOARD 14	230	11,780		51.22			70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
4	PANEL BOARD 15	230	11,780		51.22			70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
5	PANEL BOARD 16	230	11,180			48.61		70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
6	PANEL BOARD 17	230	11,180			48.61		70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
7	PANEL BOARD 18	230	11,180	48.61				70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
8	PANEL BOARD 19	230	11,180	48.61				70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
9	PANEL BOARD 20	230	11,180		48.61			70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
10	PANEL BOARD 21	230	11,180		48.61			70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
11	PANEL BOARD 22	230	11,180			48.61		70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
12	PANEL BOARD 23	230	11,180			48.61		70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
13	PANEL BOARD 24	230	11,180	48.61				70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
14	SPARE	230							2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
15	PANEL BOARD 26	230	12,270		53.35			70 AT	2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
16	SPARE	230							2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
17	SPARE	230							2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
18	SPARE	230							2P	2-14.0 mm ² THHN Cu.& 1-5.5 mm ² THHN Cu.(6)	32 mmø
TOTAL			158,810	243.05	253.01	194.44					

COMPUTATION

Imab= 1.7321 (254.09)+25%(17)
= 442.49 A
USE :400 AT, 3P,230V MCCB
2 SETS OF 3-80.0 mm² THHN Cu.&
1-30 mm² THHN Cu.(6)
ø 80mm ø connduit

P SCHEDULE OF LOADS
E-DC-11 E-DC-11 SCALE : 1:150 MTS.

PROJECT TITLE
REPAIR & REHABILITATION OF
ACADEMIC BLDG. II AT DINA-
LUPIHAN CAMPUS

LOCATION
BATAAN PENINSULA STATE UNIVERSITY
(DINALUPHAN CAMPUS) DINALUPHAN , BATAAN

STRUCTURAL ENGINEER

REVISION

MASTER PLUMBERS/SANITARY ENGINEER

REVISION

PROFESSIONAL ELECTRICAL ENGINEER

REVISION

PROFESSIONAL MECHANICAL ENGINEER

REVISION

REVISION

NO.	DESCRIPTION	DATE
1		
2		

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SHEET CONTENT: SHEET NUMBER:

RISER DIAGRAM
SCHEDULE OF
LOADS

E-DC-11